

<b>REPORT OF CHANNEL CONDITIONS</b> <b>100 TO 400 FEET WIDE</b> <i>(ER 1130-2-3165)</i>						<b>PAGE</b> 1 <b>OF</b> 2	
						<b>DATE</b> December 8, 2006	
<b>TO:</b> The Record					<b>FROM:</b> U.S. Army Corps of Engineers 26 Federal Plaza, ATTN: CENAN-OP-ST New York, NY 10278-0090		
<b>RIVER/HARBOR NAME AND STATE:</b> Raritan River, New Jersey						<b>MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD</b>	
NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)			
<b>RARITAN RIVER</b>							
<b>MAIN CHANNEL</b> <b>Reach A: Great Beds Reach</b> - From Green Can #5 to approximately 40 ft seaward of Green Can #3	File 511, Sheets 2-3 of 11; 17-30 August 2006	300	0.70	25	19.7	17.2	21.5
<b>MAIN CHANNEL</b> <b>Reach B: South Amboy Reach</b> - From approximately 40 ft seaward of Green Can #3 to the New Jersey CRR Bridge	File 511, Sheets 3-5 of 11; 17-30 August 2006	300	1.16	25	20.2	23	19.4
<b>MAIN CHANNEL</b> <b>Reach C: Sandy Pt Reach</b> - From the New Jersey CRR Bridge to the Hwy 35 Victory Bridge	File 511, Sheets 5-6 of 11; 17-30 August 2006	300	.92	25	20.9	17.5	21.2
<b>MAIN CHANNEL</b> <b>Reach D: Keasby Reach</b> - From the Hwy 35 Victory Bridge to approximately 390 ft landward of Green Can #13	File 511, Sheets 6-8 of 11; 17-30 August 2006	300	1.13	25	5.7	10.4	18.0
<b>REMARKS:</b> <ul style="list-style-type: none"> <li>• All depths are in Mean Low Water (MLW).</li> <li>• The channel length is in nautical miles.</li> <li>• Channel Shoaling:</li> </ul>							
<b>RARITAN RIVER</b>  <b>Main Channel:</b> <ul style="list-style-type: none"> <li>○ <b>Reach A: Great Beds Reach</b> - In general, shoaling is present throughout much of the entire width of the channel.</li> <li>○ <b>Reach B: South Amboy Reach</b> - Shoaling is present throughout most of the entire width of the channel for approximately 2,500 ft in length landward from the beginning of the reach. Additional shoals extending from the left outside quarter (LOQ) into the middle half (MH) are present beginning approximately 3,600 ft landward of the New Jersey CRR Bridge for approximately 2,300 ft. Spotted shoaling is present in the right outside quarter (ROQ), LOQ, and MH in the remainder of the Reach.</li> <li>○ <b>Reach C: Sandy Pt Reach</b> - A shoal is present for approximately 445 ft in length beginning 200 ft landward of the New Jersey CRR Bridge in the ROQ. A shoal approximately 230 ft in length is present in the MH beginning approximately 175 ft landward of the New Jersey CRR Bridge. A shoal approximately 1,640 ft in length occupies most of the width of the LOQ beginning approximately 2,720 ft seaward of the HWY 35 Victory Bridge.</li> <li>○ <b>Reach D: Keasby Reach</b> - Beginning approximately 640 ft landward of the Hwy 35 Victory Bridge, shoaling is present throughout most of the ROQ and LOQ for approximately 4,750 ft in length, beyond which, shoaling is present throughout most of the entire channel width to the end of the reach.</li> </ul>							

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NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)			
<b>RARITAN RIVER</b>							
<b>NORTH CHANNEL</b> <b>Reach E: Red Root Reach</b> - From approximately 390 ft landward of Green Can #13 to approximately 1200 ft seaward of Green Buoy #25	File 51, Sheets 8-10 of 11; 17-30 August 2006	300	.95	25	11.8	15.4	13.1
<b>NORTH CHANNEL</b> <b>Reach F: Turning Basin</b> – From approximately 1,200 ft seaward of Green Buoy #25 to approximately 760 ft landward of Green Buoy #25	File 51, Sheet 10 of 11; 17-30 August 2006	600	0.31	25	1.7	5.1	14.3
<b>SOUTH CHANNEL</b> <b>Reach J:</b> From approximately 390 ft landward of Green Can #13 to approximately 2,430 ft landward of Green Can #13	File 51, Sheets 8 and 11 of 11; 17-30 August 2006	300	.33	25	4.2	4.3	4.0
<b>SOUTH CHANNEL</b> <b>Reach K:</b> From approximately 2,430 ft landward of Green Can #13 to approximately 3,850 ft landward of Green Can #13	File 51, Sheet 11 of 11; 17-30 August 2006	300	.23	25	6.7	2.5	1.9
<b>REMARKS:</b> <ul style="list-style-type: none"> <li>All depths are in Mean Low Water (MLW).</li> <li>The channel length is in nautical miles.</li> <li>Channel Shoaling:</li> </ul>							
<b>RARITAN RIVER</b>  <b>North Channel:</b> <ul style="list-style-type: none"> <li><b>Reach E: Red Root Reach</b> - Shoaling is present throughout the entire width of the channel.</li> <li><b>Reach F: Turning Basin</b> - Shoaling exists throughout most of the turning basin with the exception of an area in the ROQ and MH approximately 1,560 ft in length approximately 215 ft landward from the beginning of the turning basin.</li> </ul> <b>South Channel:</b> <ul style="list-style-type: none"> <li><b>Reach J:</b> Shoaling exists throughout the entire width of the channel.</li> <li><b>Reach K:</b> Shoaling exists throughout the entire width of the channel.</li> </ul>							